

Fig. 1

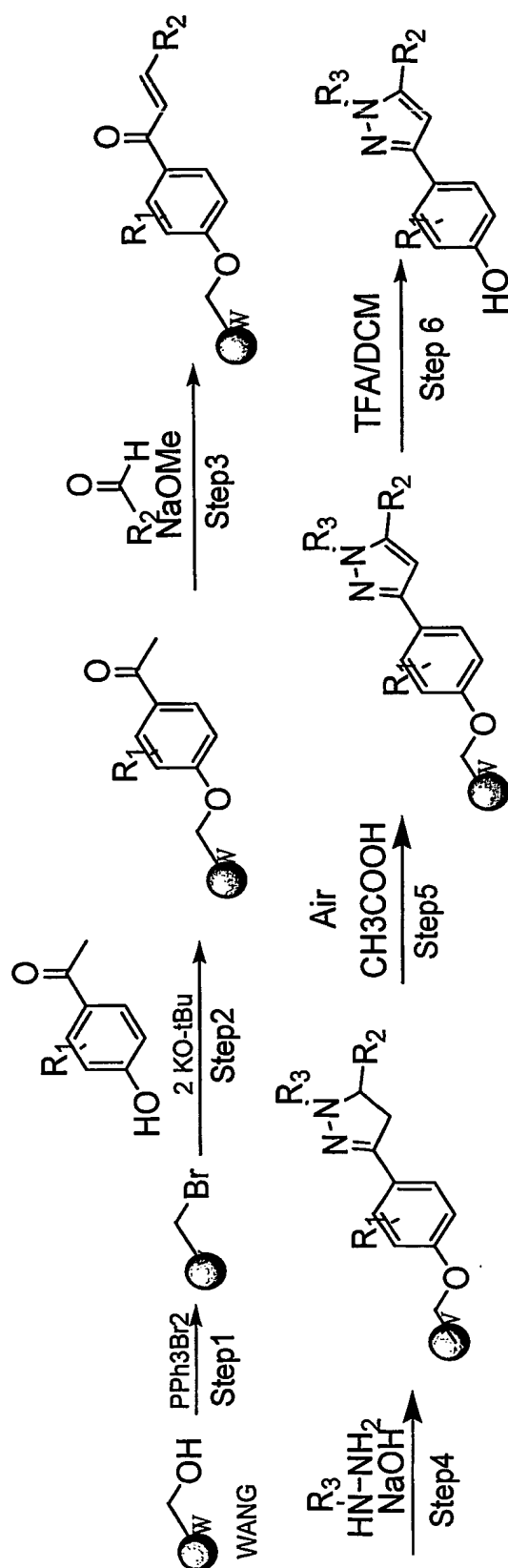


Fig. 2 : Measurement parameters employed by the Wallace VICTOR2V™ Multilabel Counter:

Number of repeats	1
plate: GREINER FIA-Plate black 384 well med. binding	
Measurement height	3.50 mm
Label technology	TR-F Lance
Emission filter name	D615
Emission filter slot	A1
Emission aperture	Normal
Excitation filter	D340
Delay	50 μ s
Window time	400 μ s
Cycle	1000 μ s
Light integrator capacitors	1
Light integrator ref. level	95
Flash energy area	High
Flash energy level	223
Flash absorbance measurement	No
Beam	Normal
Label technology	TR-F Lance
Emission filter name	D665
Emission filter slot	A8
Emission aperture	Normal
Excitation filter	D340
Delay	50 μ s
Window time	400 μ s
Cycle	1000 μ s
Light integrator capacitors	1
Light integrator ref. level	95
Flash energy area	High
Flash energy level	223
Flash absorbance measurement	No
Beam	Normal

Fig. 3 A, B, C, D, E , F and G**A**

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1  MGLEMSSKDS  PGSLDGRAWE  DAQKPQSAWC  GGRKTRVYAT  SSRRAPPSEG  TRRGGAARPE
61  EAAEEGPPAA  PGSLRHSGPL  GPHACPTALP  EPQVTSAMSS  QVVGIEPLYI  KAEPASPDSP
121 KGSSETETEP  PVALAPGPAP  TRCLPGHKEE  EDGEGAGPGE  QGGGKLVLS  LPKRLCLVCG
181 DVASGYHYGV  ASCEACKAFF  KRTIQGSIEY  SCPASNECEI  TKRRRKACQA  CRFTKCLRVG
241 MLKEGVRLDR  VRGGRQKYKR  RPEVDPLPFP  GPFPAGPLAV  AGGPRKTAPV  NALVSHLLV
301 EPEKLYAMPD  PAGPDGHLPA  VATLCDLFDR  EIVVTISWAK  SIPGFSSLSL  SDQMSVLQSV
361 WMEVLVLGVA  QRSPLQLDEL  AFAEDLVLDE  EGARAAGLGE  LGAALLQLVR  RLQALRLERE
421 EYVLLKALAL  ANSDSVHIED  AEAVEQLREA  LHEALLEYEA  GRAGPGGGAE  RRRAGRLLLT
481 LPLLRQTAGK  VLAHFYGVKL  EGKVPMHKLF  LEMLEAMMD

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B

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1561 gactga

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C

Biotin-CPSSHSSLTERHKILHRLLEGGSPS-COOH

D

1 MSSDDRHLGS SCGSFIKTEP SSPSSGIDAL SHHSPSGSSD ASGGFGLALG THANGLDSP
61 MFAGAGLGGT PCRKSYEDCA SGIMEDSAIK CEYMLNAIPK RLCLVCGDIA SGYHYGVASC
121 EACKAFFKRT IQGNIEYSCP ATNECEITKR RRKSCQACRF MKCLKVGMLK EGVRLDRVRG
181 GRQKYKRRLD SESSPYLSLQ ISPPAKKPLT KIVSYLLVAE PDKLYAMPPP GMPEGDIKAL
241 TTLCDLADRE LVVIIGWAKH IPGFSSLSLG DQMSLLQSAW MEILILGIVY RSLPYDDKLV
301 YAEDYIMDEE HSRLAGLLEL YRAILQLVRR YKKLKVEKEE FVTLKALALA NSDSMYIEDL
361 EAVQKLQDLL HEALQDYELS QRHEEPWRTG KLLLTLP LLR QTAAKAVQHF YSVKLQGVKVP
421 MHKLFLEMLE AKAWARADSL QEWRPLEQVP SPLHRATKRO HVHFLTPLPP PPSVAWVGTA
481 QAGYHLEVFL PQRAGWPRAA

E

1 atgtcctcgg acgacaggca cctgggctcc agctgcggct ccttcatcaa gactgagccg
61 tccagcccgt cctcgggcat agatgccctc agccaccaca gcccagtggt ctggtccgac
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1501 tag

F

1 MSNKDRHIDS SCSSFIKTEP SSPASLTDSV NHHSPGGSSD ASGSYSSTMN GHQNGLDSPF
61 LYPSAPILGG SGPVRKLYDD CSSTIVEDPQ TKCEYMLNSM PKRLCLVCGD IASGYHYGVA
121 SCEACKASFK RKIQANIEYS CPATNECEIT KRRRKSCQAC RFMKCLKVGM LKEGVRLDRV
181 RGGRQKYKRR IDAENSPYLN PQLVQPAKKP YNKIVSHLLV AEPEKIYAMP DPTVPDSDIK
241 ALTTLCDCAD RELVVIIGWA KHIPGFSTLS LADQMSLLQS AWMEILILGF VYRSLSFEDF
301 LVIYADDYIMD EDQSKLAGLL DLNNAILQLV KKYKSMKLEK EEFVTLKAIA LANSDSMHIE
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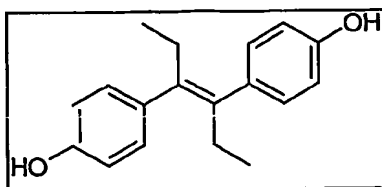
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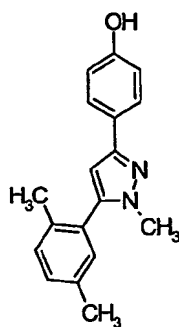
Fig 4 Molecule structure EC_{50} average

DES



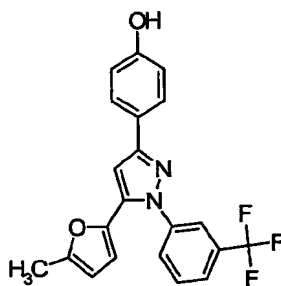
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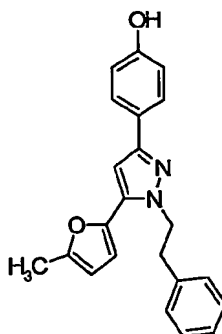
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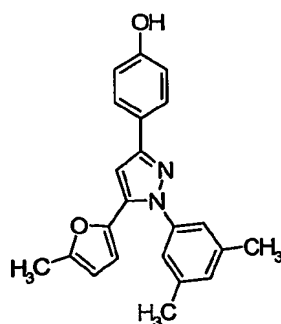
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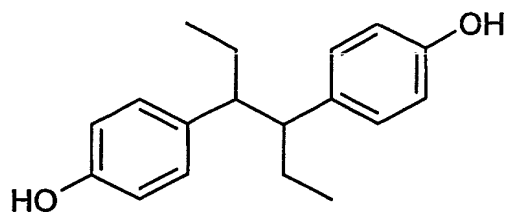


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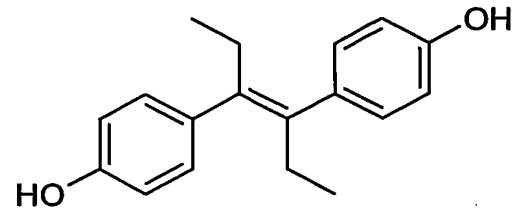
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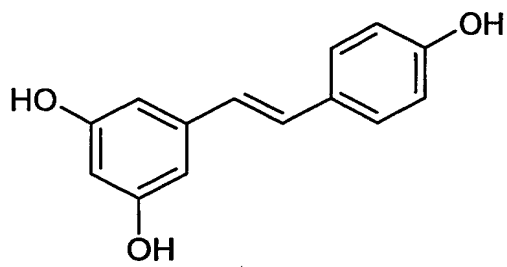
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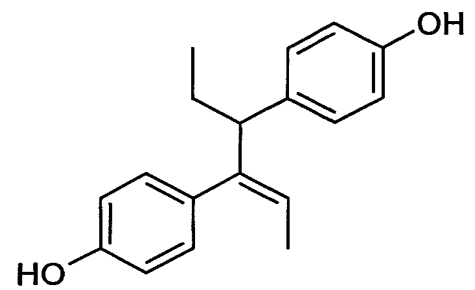
hexoestrol



DES



resveratrol



dienestrol

Fig. 6:

Genes regulated by ERR's:

Lactoferrin (NM_002343)

MCAD (medium chain acylcoenzyme A dehydrogenase) (AH002873)

Thyroid receptor alpha (M24899)

Osteopontin (BC022844)

Aromatase (X13589)

PS2 (XM_009779)

SHP (AB058644)

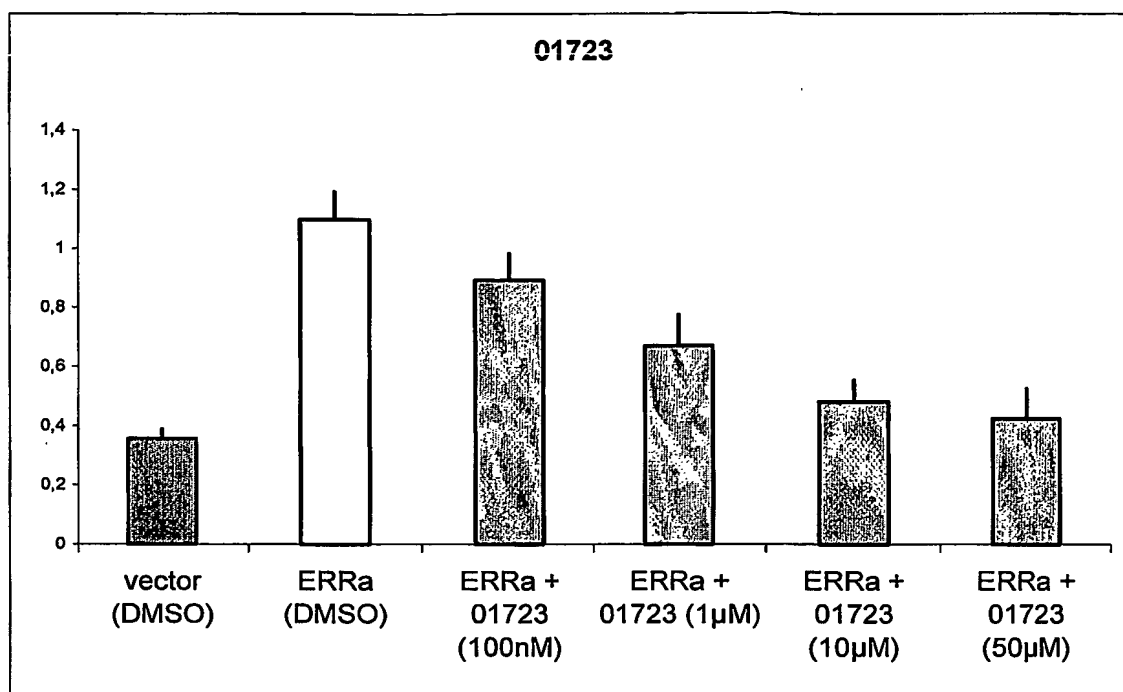
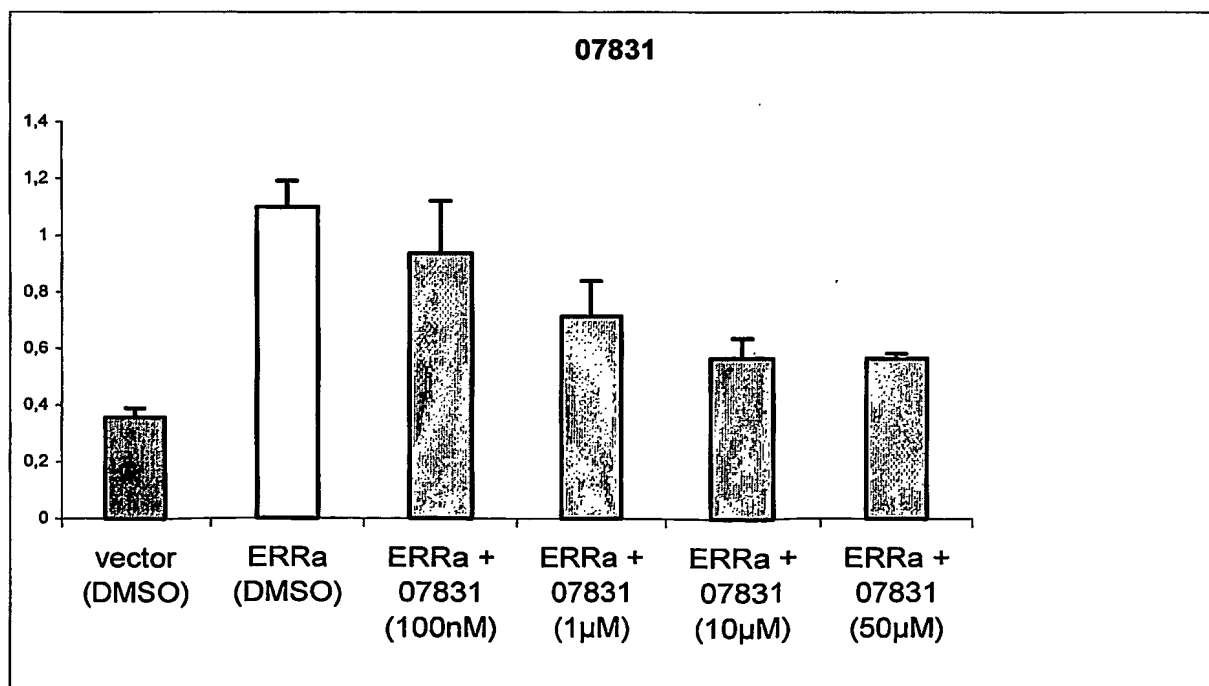
Fig. 7A**Fig. 7B.**

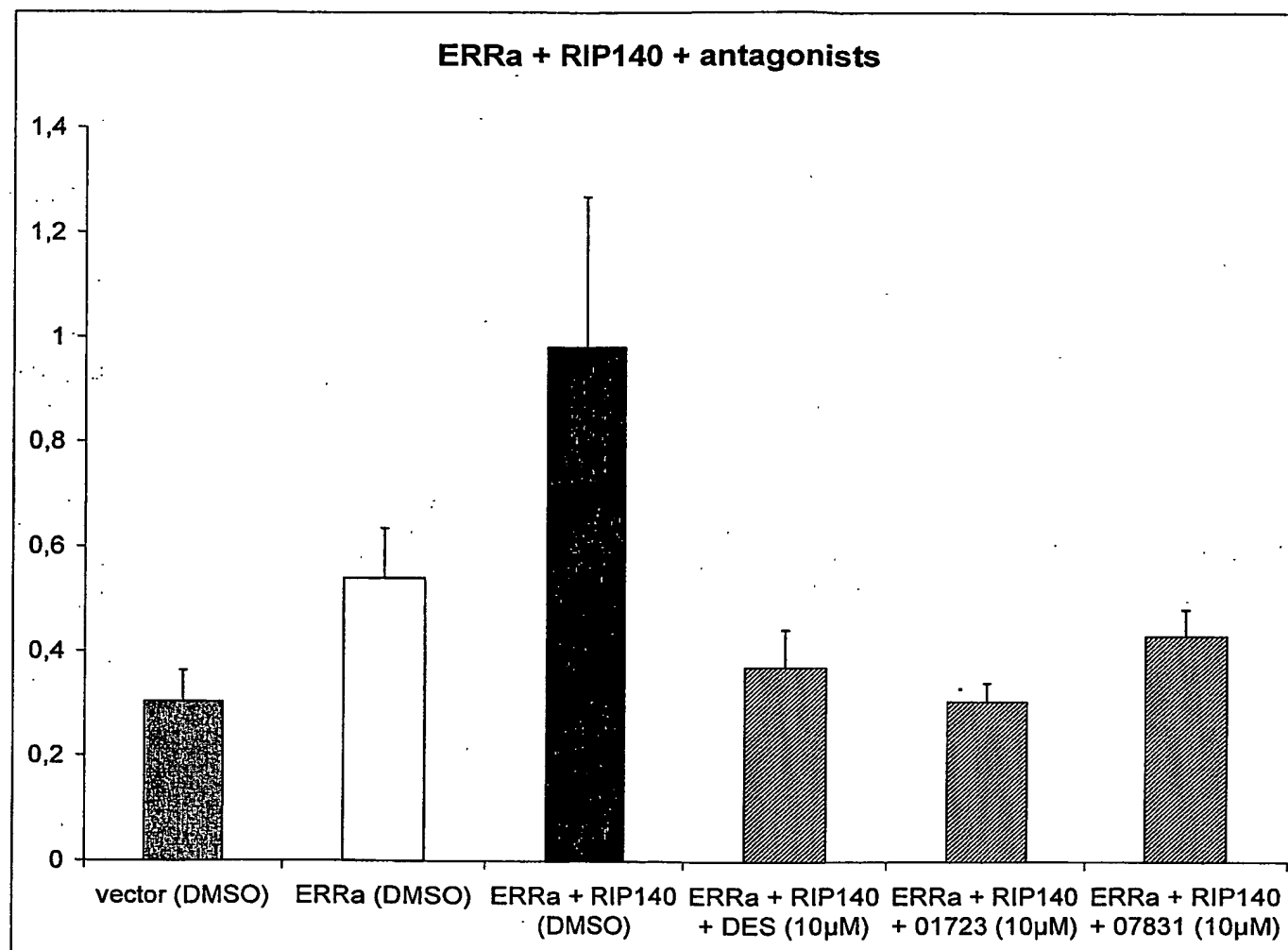
Fig 8

Fig 9A

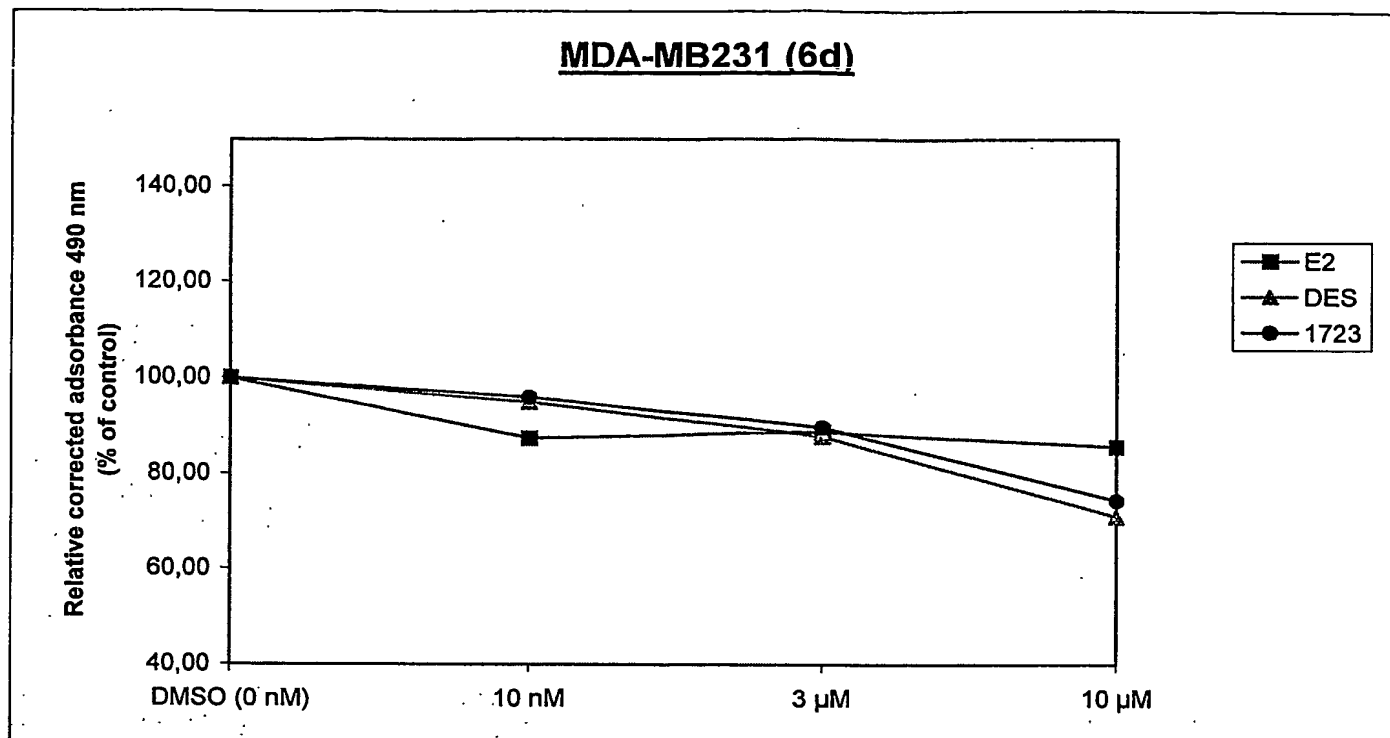


Fig 9B

